

## **Dermal Exposure to metals in sediments - Agency experts**

This is a mixed bag of expertise across ORD, the Regions, and Programs. There are experts with ecological or human health emphases. Some are metals experts without a particular human or eco focus.

A number of the names provided did not come along with credentials. May have to fine tune to get a better handle on who brings what to the table.

### **NERL**

Karen Bradham – strong background in bioavailability of contaminants. Very applied R&D. Lab capability to look at sediment samples.

### **NCEA**

Lynn Flowers – risk assessment

John Vandenberg -

Jeff Frithson –

### **NRMRL**

Kirk Scheckel - metal speciation in soils, sediments, and water via advanced, molecular-level spectroscopic techniques coupled with macroscopic kinetic and thermodynamic laboratory studies

### **NHEERL**

Dave Mount – ecotoxicity

Ginger Moser

David Herr – supervisory toxicologist

Mary Gilbert - neurotoxicology

Will Boyes - expert on manganese

Dave Thomas – metals expertise

Kirk Kitchin – metals expertise

Mike Hughes – modeling dermal adsorption (with Dave Thomas)

Neil Chernoff – working with Dave Thomas on cyanobacteria toxin and metal co-exposures

Mike Lewis - Benthic Ecotoxicology; Biology; Ecosystem Assessment; Sediment Toxicology; Aquatic Botany; Diagnostic Procedures; Risk Assessment; Ecology; Fisheries; Environmental Science; Ecological Indicators; Habitat Loss; Harmful Algal Blooms; Pollution

### **Region 2**

Mark Maddaloni – toxicity, dermal soil

### **Region 5**

Great Lakes National Program Office Contact Jacqueline Fisher for expertise in office

## **Region 8**

*Health and ecological toxicity of metals in sediments. All are already deployed.*

Deb McKean  
Kristen Keteles  
Dan Wall  
Wendy O'Brien.

### *Toxicologists*

Susan Griffin  
Charlie Partridge

## **Region 9**

Kim Hoang – dermal water  
Dan Stralka – toxicologist, dermal soil

## **Region 10**

Marc Stifelman – Human Health Risk assessor, expert in:  
Metals tox (slag – Cd, Cu, Pb, Zn) in Upper Columbia;  
Tribal exposures and toxicity concerns from metals in sediment and fish.  
Also blood lead issues (from soil at the Bunker Hill site).  
Multi-incremental sampling

Burt Shephard – Eco Risk assessor, expert in:  
Metals tox (e.g., Upper Columbia slag site), esp screening (sediment and water)  
Tox testing (e.g., native mussel species)  
Metals bioaccumulation  
Deep ties with USGS and ORD (esp. Teresa Norberg-King; Dave Mount; Chris Ingersoll; Lawrence Burkhard, etc.)

## **OSWER/OSRTI**

Steve Ells – contaminated sediments expert with a Superfund focus